Course Title :null  
Course Number : 703337  
Credit Hours : 3  
Pre requisite : 703336  
Placement : 
Instructor: 

Course Description : 
This course is an introduction to structural design. Subject areas include material properties, stress-strain relation, basic design of reinforced concrete and steel structures.

General objectives: 
1. To provide students with background in fundamental structural design concepts.  
2. To introduce structural design of components for buildings made of reinforced concrete and steel.

Course outline: 

Introduction 
Structural Design Concepts and Methods 
Strength of materials (Stress-strain relation)

Reinforced Concrete Design 
Material properties 
Beam design 
One way slab design 
Two way slab design 
Footing design 
Column design

Steel Design 
Material Properties 
Design of tension members 
Design of compression members 
Design of steel joints

Evaluation methodology:  

References:  

Course Schedule:  

Topic____________________________________Hours

No Information Available...